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Zhukauskas, A.A., Katinas, V.I., Perednis, E.E., and Sobolev, V.A. **535** Flow of a viscous liquid through inclined corridor bundles of tubes with flow-excited vibrations, *Trudy Akademii Nauk Litovskoi SSR, Seriya* B112, No. 3 (1979), Soviet Union.

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Koziol, K., Ulatowski, J., and Franke, K. **580** Velocity fields in falling films, *Chemische Technik* **31**, No. 12 (1979), Democratic Republic of Germany/Poland.

Werther, J. and Hegner, B. **585** Determination of optimum operating conditions of industrial fluidized-bed reactors, *Chemie-Ingenieur-Technik* **52**, No. 2 (1980), Federal Republic of Germany.

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Adachi, Y. and Sugie, H. **604** Monte Carlo simulation of the P-V-T behavior of argon in the metastable and unstable regions, *Kagaku Kogaku Ronbunshu* **6**, No. 2 (1980), Japan.

Kawagoe, M., Otake, T., Kimura, S., and Noda, Y. **612** Flow characteristics of a new movable-perforated-plate column, *Kagaku Kogaku Ronbunshu* **6**, No. 2 (1980), Japan.

Konno, H., Toda, N., Kuriyama, M., Harada, E., Saruta, S., and Otomo, Y. **621** Solid-liquid mixed-phase flow in a horizontal pipe rotating about its axis, *Kagaku Kogaku Ronbunshu* **6**, No. 2 (1980), Japan.

Tsuge, H., Hibino, S., and Nojima, U. **630** Volume of a bubble formed at a single submerged orifice in a flowing liquid, *Kagaku Kogaku Ronbunshu* **6**, No. 2 (1980).

Nishiwaki, A., Shinkawa, T., and Kato, Y. **637** Longitudinal mixing of a liquid in a multistage bubble column under batch operation, *Kagaku Kogaku Ronbunshu* **6**, No. 2 (1980), Japan.

Miyashita, H., Takayanagi, A., Shiomi, Y., and Wakabayashi, K. **646** Flow behavior and augmentation of the mass transfer rate in a rectangular duct with a turbulence promoter, *Kagaku Kogaku Ronbunshu* **6**, No. 2 (1980), Japan.

Sakohara, S., Unno, H., and Akehata, T. **652** Removal of turbidity by the use of an organic, polymeric flocculant. Analysis using a simple bridging model, *Kagaku Kogaku Ronbunshu* **6**, No. 2 (1980), Japan.

Huor, M.H. and Bugarel, R. **659** Study of the behavior of an absorption heat pump operating under partial loading, *Entropie*, No. 91 (1980), France.

Li, Y., Chen, B., Wang, F., Wang, Y., and Guo, M. **670** Rapid fluidization, *Hua Kung Hsüeh Pao* **1**, No. 2 (1979), People's Republic of China.

Blasinski, H. and Kuncewicz, C. **679** Heat transfer during the mixing of pseudoplastic fluids with ribbon agitators, *Inzynieria Chemiczna* **9**, No. 2 (1979), Poland.

Glybin, V.I., Khmara, Yu. I., Tsaturyants, A.B., Labinov, S.D., and Bakian, O.V. **684** Influence of errors in the computation of critical parameters of mixtures on the calculation of vapor-liquid equilibria for mixtures of n-paraffins in the retrograde state regions according to the method of pressure convergence, *Teplofizika i Teplomekhanika*, No. 26 (1979), Soviet Union.

Mazur, A.I. **688** Investigation of heat transfer in a channel of complex shape by a mass transfer method, *Teplofizika i Teplomekhanika*, No. 36 (1979), Soviet Union.

Cerny, J. **694** Comparison of methods for speeding up convergence in the simulation of chemical engineering processes at steady states, *Chemický Průmysl* **29**, No. 7 (1979), Czechoslovakia.

703 Index of authors, Volume 21, 1981.

707 Contents, Volume 21, Nos. 1, 2, 3 and 4 (1981).

714 Errata

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Errata

International Chemical Engineering **20**, No. 1 (1980).

p. 32, left column, line 40: *for* [23, 12] *read* [2e, 12].

p. 35, right column: *after* Superscript *insert* ′ (prime)

p. 39, Fig. 9: ordinate *should read* horizontal load and abscissa *should read* vertical load

p. 43, Fig. 18: abscissa *should read* sec (only)

p. 47, right column, line 16: *after* particles *insert* as well as between particles

International Chemical Engineering **20**, No. 2 (1980).

p. 212, left column, line 30: *after* P.Y.L. *insert* and the C.Y.L.

p. 214, left column, Footnote**: the four equations *should be numbered* (i), (ii), (iii), (iv), respectively

p. 214, right column, line 14: *for* the reference to the footnote, the symbol ** *should be replaced* by symbol † (dagger)

p. 214, right column, Footnote†: the two equations *should be numbered* (v) and (vi), respectively

p. 214, right column: *for* $\phi(\overline{r})$ *read* $\phi(r)$

p. 219, left column, line 8 from bottom: *for* No. 4 *read* No. 5

p. 223, left column, line 8: *for* confirmed *read* confined

p. 224, right column, line 25: *for* $z/h - 0.04$ *read* $z/h = 0.04$

p. 245, left column, line 29: *after* velocity *insert* of a solid body moving across the

p. 248, right column, line 20: *after* liquid *insert* yet large enough that they will follow the flow precisely.

p. 254, left column, line 7 from bottom: *after* circulated *insert* twice

p.260-261, the footnotes at the bottom of these pages *should be exchanged*

p. 267, right column, line 4 from bottom: *for* G^* *read* g^*

p. 269, right column, line 10 from bottom: $(\theta^* \cdot \Delta G_B^*)^{2/3}$. *should read* $(\theta^* \cdot \Delta G_{B^*})^{2/3}$.

International Chemical Engineering **20**, No. 3 (1980).

p. 384, left column, line 1: *for* exchange *read* heat-exchange

p. 388, right column, line 8: *for* 2.09 cm *read* 2.07 cm

p. 388, right column, line 9: *for* 3.42 cm *read* 2.35 cm

p. 388, right column, line 10: *before* whereas *insert* and the surface-volume-mean diameter was 2.46-3.42 cm

p. 390, left column, line 1: *for* U_{mf} *read* $U_f - U_{mf}$

p. 391, left column, line 4: *for* $U_b^*(\xi)$ *read* $U_b^*(\lambda)$

p. 392, left column, line 6: *for* $\lambda \sim \lambda + yd$ *read* $\lambda \sim \lambda + \delta\lambda$

p. 392, left column, line 8: *for* $U_b^*(\lambda)$ *read* $\overline{U_b}^*(\lambda)$

p. 398, left column, line 3 from bottom: *after* crystals *insert* was fused by reducing the pressure, and the unfused portion of crystals

p. 400, left column, line 9: *after* around *insert* $p/m \sim 12/88$ at atmospheric pressure; above 2000 atm, however, it occurs at around

International Chemical Engineering **20**, No. 4 (1980).

p. 602, right column, line 4: *for* $\psi(s_\beta c)$ *read* $\psi(s_\beta)$

p. 602, right column, line 11: *for* $\psi(s_\beta c)$ *read* $\psi(s_\beta)$

p. 605, right column, line 23: *for* $(\psi(s_\beta c) = 1.0)$ *read* $(\psi(s_\beta) = 1.0)$

p. 614, right column, line 4: *after* stage *insert* in which unmixed particles were still in existence, and a microscopic mixing stage

p. 625, right column, lines 12 and 11 from bottom: *omit the words* the concentration of each species [J] in

p. 627, right column, line 15 from bottom: for IO_2^- *read* IO_3^-

p. 646, right column, line 9: *for* ethyl benzene *read* ethyl benzene-styrene

p. 651, right column, line 4: *for* Equation (2) *read* Equation (20)

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p. 142, left column, line 12: *for* [2-5] *read* [3-5]

p. 142, left column, line 14: *after* [9-11] *insert* see reviews [12-15].

p. 143, left column, 3rd line after Equation (1): *for i-th* step, *read j-th* step

p. 143, right column, first line after Equation (7): *for* K_j^*. *read* k_j^*.

p. 144, right column, line 11: *for* (12), *read* (11),

p. 146, right column, 2nd line after Equation (24): *for* concentration Z *read* concentration $\overline{\overline{Z}}$

p. 146, right column, 2nd line after Equation (26): *for* $y = 0$ *read* $\dot{y} = 0$

p. 146, right column, 4th line after Equation (31): *for* $x = 0$ *read* $\dot{x} = 0$

p. 147, left column *for*:

$$W = \begin{matrix} W^* \\ 0 \end{matrix} \left\{ \begin{matrix} \text{if (30, 31) is fulfilled and the initial state} \\ \text{is in in the e; 0 — in the rest of cases} \end{matrix} \right.$$

read

$W = W^*$, if (30, 31) is fulfilled and the inital state is in the attraction region of the internal stable steady state; 0 — in the rest of cases

p. 147, line 19 from bottom: *after* p_A, *insert* the value $W^*(p_{A_2})$ decreases according to Equation (32) (Figure 2). The critical value of $p_{A_{2,cr}}$, at which a nonzero value of W appears, is found from (31), wherein the inequality is replaced by an equality. In turn, at fixed p_{A_2}

p. 147, right column, Fig. 1: legend; $P_1 = 1$ *should read* $p_{A_2} = 1$, $P_2 = 1.2$ *should read* p_B

p. 149, left column, lines 5 and 6 after Equation (33): *for* condition for multiplicity is the inequality of steady states *read* condition for multiplicity of steady states is the inequality

p. 149, right column, Equation (36): $\dot{x} = 2k_1 pO_2(1\text{-}x\text{-}y)^2$ *should read* $\dot{x} = 2k_1 p_{O_2}(1\text{-}x\text{-}y)^2$

p. 150, Table 1

Reaction						
E_i, kcal/mole	− 3.3	5 8	0	34	29	0
k_i^0	4.4×10^{-28}	6.5	5.25×10^{-12}	0.48×10^{-12}	4.8×10^{-3}	$7.25 - 10^{-1}$

should read

Reaction	1	− 1	2	− 2	3	4
E_i, kcal/mole	− 3.3	5 8	0	34	29	0
k_i^0	4.4×10^{-28}	6.5	5.25×10^{-12}	0.48×10^{-12}	4.8×10^{-3}	$7.25 - 10^{-1}$

p. 150, right column, line 1: x^* *K* 0 *should read* $x^* > 0$

p. 151, right column, line 7: *for* in wide range of *T*, P_{CO} *read* in wide range of *T*, p_{O_2}, P_{CO}

p. 151, right column, line 9: *for* $K < T$ 650 *K read* $K < T < 650$ *K*

p. 151, left column, lines 5 and 4 from bottom: *for* steady state 1; for all other conditions—to the steady state 3. *read* steady state 3; for all other conditions—to the steady state 1.

p. 152, left column, line 3 from bottom: *for* (point 3) *read* (point 1)

p. 153, left column, line 1: *for state 1 read state 3*

p. 154, right column, Ref. 8: *for* (1975). *read* (1974).

p. 154, right column, Ref. 9: *for* Soin'ko, *read* Slin'ko,

p. 155, the following references *should be added to the literature cited*

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Schedule of Future International Chemical Engineering Meetings

Date and Place	Type of Meeting	Sponsor	For Information Write:
	Calendar Year 1981		
October 1-7, 1981 Moscow Soviet Union	International Symposium on Chemical Physics	Academy of Science	N.M. Emmanual Inst. Chem. Physics Academy of Sciences of USSR Vorobyevskoe Chaussee 2-6 SU-117334 Moscow Soviet Union
October 4-9, 1981 Montreal Canada	2nd World Congress of Chemical Engineering and 9th Congress of the Interamerican Federation of Chemical Engineering	Confederacion Interamericana de Ingenieria Quimica	Mr. Gerard F. Chiffriller AIChE 345 East 47th Street New York, NY 10017 USA
October 5-8, 1981 Szeged Hungary	6th Colloquium on the Processing Technology and Technical Application of Plastics	Plastic Section of the Scientific Society of Mechanical Engineers in cooperation with the Szeged Local Section of the Society and the Hungarian Chemical Society	Secretariat Scientific Society of Mechanical Engineers P.O. Box 451 H-1372 Budapest Hungary
October 12-15, 1981 Atlanta, GA USA	4th World Energy Engineering Congress		Association of Energy Engineers 4025 Pleasantdale Road Suite 340 Atlanta, GA 30340 USA
October 19-23, 1981 Madrid, Spain	International Symposium on the Application of the Dose Limitation System in Nuclear Fuel Facilities and Other Radiation Practices	International Atomic Energy Agency	International Atomic Energy Agency P.O. Box 100 A-1400 Vienna Austria
October 20-22, 1981 Antwerp, Belgium	International Symposium: Materials and Energy from Refuse (II)	Koninklijke Vlaamse Ingenieursvereniging	Symposium MER 2 c/o J, VIV Jan van Rijswijcklaan 58 B-2000 Antwerp Belgium